

County and Regional Prevalence Estimates of Behavioral Risk Factors
and Health Screening Practices

Wisconsin

Combined Years of Data: 1989-1994 and 1993-1998

May 2001

Bureau of Health Information
Division of Health Care Financing
Wisconsin Department of Health and Family Services

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Introduction

Purpose

This report provides estimates of health-risking behaviors and health screening practices for adults in Wisconsin by region and for selected counties. To provide adequate sample sizes, estimates were developed by aggregating data for two time periods: 1989-1994 and 1993-1998. This information is based primarily on responses to the Behavioral Risk Factor Survey, a telephone survey of Wisconsin adults living in households. The estimates can be used for local and regional community needs assessments, and to assess changes over time in health-risking behaviors among Wisconsin adults.

Table Layout

The tables consist of percentages (estimates), confidence intervals, and sample sizes (the number of adults interviewed). Percentages are weighted to estimate the proportion of the adult population engaged in health-risking behaviors and the proportion utilizing certain health screening procedures. Weights are designed to provide representative estimates of the adult household population at the state, region and county levels.

Each table shows results based on combined years of data for two time periods: 1989-1994 and 1993-1998. Six-year periods were used to increase the comparability of the data, and the second period represents the most recently available data when this report was prepared. Results from the first time period were published previously in "County and Regional Estimates of Behavioral Risk Factors and Health Screening Practices, Wisconsin, 1989-1994 (Combined Years of Data)." That report was published in 1995 by the Center for Health Statistics, which was the predecessor to the Bureau of Health Information. Those previously published results are reproduced here nearly identically (see "Technical Notes") and displayed with the results from 1993-1998 to provide comparisons over time.

The confidence interval can be thought of as a range of "good" estimates. For example, the percentage of current smokers for the Southern Region during 1989-1994 is estimated to be 25 percent and the confidence interval is 23 to 27 percent. A much stronger inference can be made using the confidence interval than the point estimate alone because, over all possible samples, the probability is 95 percent that the confidence interval contains the true population value.

Contributors to This Report

This report was prepared in the Bureau of Health Information, Division of Health Care Financing, Wisconsin Department of Health and Family Services. Karl Pearson produced the computer programs to generate the tables, performed the analyses and wrote the text. Patricia Nametz edited the report. In the Division of Public Health, Bureau of Chronic Disease Prevention and Health Promotion, Margaret Taylor (Director), David Nordstrom and Nancy Chudy provided comments and suggestions. The project was supervised by Patricia Guhleman, Chief, Research and Methods Section. Sandra Breitborde, Deputy Director, Bureau of Health Information, provided overall direction.

Where to Find More Information

Other publications based on the Wisconsin Behavioral Risk Factor Survey are available on the Department of Health and Family Services Web site:

<http://www.dhfs.state.wi.us/stats/BRFS.htm>

National data are available from the Centers for Disease Control and Prevention Behavioral Risk Factor Surveillance System: <http://www.cdc.gov/nccdphp/brfss/>

Further information about this report is available from:

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Table 1: Current Cigarette Smokers, Combined Years 1989-1994 and 1993-1998

These are estimated percentages of adults (age 18+) who reported smoking at least 100 cigarettes in their lifetime, and who currently smoke, either daily or irregularly.

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WISCONSIN	25	24-26	8,475	23	22-24	12,020
Male	26	25-27	3,835	25	24-26	5,250
Female	23	22-24	4,640	22	21-23	6,770
18-24	28	25-31	899	30	27-33	1,092
25-44	29	28-30	3,958	28	27-29	5,420
45-64	25	23-27	2,004	22	21-23	3,311
65+	10	9-11	1,614	8	7-9	2,197
Male 18-24	27	23-31	418	31	27-35	459
Male 25-44	31	29-33	1,910	30	28-32	2,533
Male 45-64	27	24-30	917	23	21-25	1,471
Male 65+	12	9-15	590	8	6-10	787
Female 18-24	28	24-32	481	29	25-33	633
Female 25-44	28	26-30	2,048	27	25-29	2,887
Female 45-64	24	21-27	1,087	21	19-23	1,840
Female 65+	9	7-11	1,024	8	7-9	1,410
White	24	23-25	7,719	23	22-24	10,458
Black	36	31-41	415	27	24-30	947
Hispanic	28	21-35	166	26	21-31	287
Other	24	17-31	152	30	25-35	272
SOUTHERN REGION	25	23-27	1,622	23	21-25	2,208
Male	27	24-30	745	22	19-25	1,023
Female	23	20-26	877	23	21-25	1,185
18-24	26	18-34	183	30	22-38	209
25-44	30	27-33	773	28	25-31	1,025
45-64	23	19-27	398	20	17-23	625
65+	12	9-15	268	9	6-12	349
Counties						
Dane	21	18-24	696	21	19-23	998
Dodge	32	24-40	132	24	18-30	181
Rock	26	21-31	265	22	17-27	339
County Groups						
a) Adams, Juneau, Sauk	30	23-37	169	26	20-32	218
b) Crawford, Grant, Iowa, Lafayette, Richland	22	17-27	228	22	17-27	281

N = number in sample.

(continued)

Table 1: Current Cigarette Smokers, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
SOUTHEASTERN REGION	26	24-28	3,109	24	23-25	4,599
Male	27	25-29	1,372	25	23-27	1,918
Female	26	24-28	1,737	23	22-24	2,681
18-24	30	25-35	353	28	23-33	461
25-44	30	28-32	1,458	29	27-31	2,110
45-64	27	24-30	750	23	21-25	1,244
65+	11	8-14	548	9	7-11	784
Counties						
Kenosha	29	22-36	178	31	22-40	168
Milwaukee	28	26-30	1,741	26	25-27	2,891
Ozaukee	13	6-20	108	14	5-23	111
Racine	24	19-29	250	26	22-30	477
Walworth	34	25-43	118	22	13-31	126
Washington	24	17-31	132	19	11-27	166
Waukesha	21	17-25	460	18	14-22	527
NORTHEASTERN REGION	22	20-24	1,831	23	21-25	2,460
Male	24	21-27	844	26	23-29	1,103
Female	21	19-23	987	20	18-22	1,357
18-24	27	19-35	181	42	33-51	195
25-44	25	22-28	878	27	25-29	1,162
45-64	27	23-31	413	22	19-25	636
65+	7	5-9	359	5	3-7	467
Counties						
Brown	27	22-32	332	20	17-23	632
Fond du Lac	25	19-31	178	30	23-37	198
Manitowoc	24	17-31	144	29	22-36	174
Outagamie	22	17-27	233	26	20-32	294
Sheboygan	21	15-27	176	18	12-24	198
Winnebago	22	17-27	253	25	20-30	308
County Groups						
a) Door, Calumet, Kewaunee, Marinette, Oconto, Shawano	16	12-20	344	18	14-22	426
b) Green Lake, Marquette, Waupaca, Waushara	23	17-29	167	21	15-27	220

(continued)

Table 1: Current Cigarette Smokers, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WESTERN REGION	22	20-24	1,168	21	19-23	1,627
Male	26	22-30	529	23	20-26	706
Female	18	15-21	639	19	17-21	921
18-24	20	11-29	122	26	17-35	138
25-44	30	26-34	505	26	23-29	678
45-64	20	15-25	263	19	15-23	461
65+	11	8-14	278	10	7-13	349
Counties						
Eau Claire	31	24-38	146	23	17-29	185
La Crosse	22	16-28	175	19	14-24	222
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	20	17-23	560	22	19-25	819
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	23	16-29	152	22	16-28	215
NORTHERN REGION	28	25-31	745	24	22-26	1,126
Male	28	23-33	345	25	21-29	500
Female	27	23-31	400	24	21-27	626
18-24	*	*	60	*	*	88
25-44	34	29-39	344	33	29-37	445
45-64	28	21-35	180	26	22-30	345
65+	10	5-15	161	7	4-10	248
Counties						
Marathon	33	26-40	164	28	23-33	274
Wood	24	17-31	136	24	18-30	210
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	96	29	22-36	155
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	26	21-31	349	21	17-25	487

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 2: Acute Alcohol Drinkers, Combined Years 1989-1994 and 1993-1998

These are estimated percentages of adults (age 18+) who reported consuming 5 or more alcoholic drinks on one occasion in the past month.

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WISCONSIN	25	24-26	8,475	23	22-24	12,020
Male	35	33-37	3,835	34	33-35	5,250
Female	15	14-16	4,640	14	13-15	6,770
18-24	44	40-48	899	41	38-44	1,092
25-44	32	31-33	3,958	31	30-32	5,420
45-64	16	14-18	2,004	17	16-18	3,311
65+	4	3-5	1,614	4	3-5	2,197
Male 18-24	54	49-59	418	50	45-55	459
Male 25-44	44	42-46	1,910	44	42-46	2,533
Male 45-64	25	22-28	917	25	23-27	1,471
Male 65+	8	6-10	590	8	6-10	787
Female 18-24	34	30-38	481	32	28-36	633
Female 25-44	19	17-21	2,048	17	16-18	2,887
Female 45-64	8	6-10	1,087	9	8-10	1,840
Female 65+	2	1-3	1,024	2	1-3	1,410
White	25	24-26	7,719	24	23-25	10,458
Black	17	13-21	415	12	10-14	947
Hispanic	32	25-39	166	28	23-33	287
Other	14	8-20	152	21	16-26	272
SOUTHERN REGION	25	23-27	1,622	25	23-27	2,208
Male	35	31-39	745	34	31-37	1,023
Female	16	14-18	877	15	13-17	1,185
18-24	47	39-55	183	48	40-56	209
25-44	30	27-33	773	30	27-33	1,025
45-64	16	12-20	398	18	15-21	625
65+	3	1-5	268	4	2-6	349
Counties						
Dane	25	22-28	696	26	23-29	998
Dodge	23	16-30	132	25	18-32	181
Rock	23	18-28	265	21	17-25	339
County Groups						
a) Adams, Juneau, Sauk	30	23-37	169	23	17-29	218
b) Crawford, Grant, Iowa, Lafayette, Richland	25	19-31	228	29	24-34	281

N = number in sample.

(continued)

Table 2: Acute Alcohol Drinkers, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
SOUTHEASTERN REGION	24	22-26	3,109	21	20-22	4,599
Male	36	33-39	1,372	33	31-35	1,918
Female	14	12-16	1,737	11	10-12	2,681
18-24	42	36-48	353	37	32-42	461
25-44	32	30-34	1,458	28	26-30	2,110
45-64	15	12-18	750	15	13-17	1,244
65+	5	3-7	548	4	3-5	784
Counties						
Kenosha	24	18-30	178	23	15-31	168
Milwaukee	24	22-26	1,741	21	20-22	2,891
Ozaukee	22	14-30	108	14	6-22	111
Racine	30	24-36	250	27	23-31	477
Walworth	26	18-34	118	21	12-30	126
Washington	34	26-42	132	23	15-31	166
Waukesha	21	17-25	460	19	15-23	527
NORTHEASTERN REGION	27	25-29	1,831	26	24-28	2,460
Male	38	35-41	844	37	34-40	1,103
Female	17	15-19	987	16	14-18	1,357
18-24	49	40-58	181	44	35-53	195
25-44	35	32-38	878	36	33-39	1,162
45-64	20	16-24	413	19	16-22	636
65+	3	1-5	359	4	2-6	467
Counties						
Brown	27	22-32	332	27	24-30	632
Fond du Lac	35	28-42	178	30	23-37	198
Manitowoc	27	19-35	144	33	26-40	174
Outagamie	26	20-32	233	28	22-34	294
Sheboygan	20	14-26	176	15	10-20	198
Winnebago	32	26-38	253	27	22-32	308
County Groups						
a) Door, Calumet, Kewaunee, Marinette, Oconto, Shawano	29	24-34	344	28	24-32	426
b) Green Lake, Marquette, Waupaca, Waushara	19	13-25	167	21	15-27	220

(continued)

Table 2: Acute Alcohol Drinkers, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WESTERN REGION	23	21-25	1,168	22	20-24	1,627
Male	33	29-37	529	32	28-36	706
Female	12	10-14	639	12	10-14	921
18-24	40	29-51	122	38	28-48	139
25-44	29	25-33	505	27	24-30	678
45-64	16	11-21	263	18	15-21	461
65+	5	3-7	278	5	3-7	349
Counties						
Eau Claire	26	19-33	146	20	14-26	185
La Crosse	30	23-37	175	25	19-31	222
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	22	19-25	560	21	18-24	819
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	16	10-22	152	20	14-26	215
NORTHERN REGION	22	19-25	745	25	23-27	1,126
Male	30	25-35	345	35	31-39	500
Female	14	11-17	400	16	13-19	626
18-24	*	*	60	*	*	88
25-44	30	25-35	344	36	32-40	445
45-64	14	9-19	180	19	15-23	345
65+	6	3-9	161	5	2-8	248
Counties						
Marathon	25	18-32	164	30	25-35	274
Wood	18	12-24	136	28	22-34	210
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	96	20	14-26	155
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	23	19-27	349	23	19-27	487

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 3: Chronic Alcohol Drinkers, Combined Years 1989-1994 and 1993-1998

These are estimated percentages of adults (age 18+) who reported consuming 60 or more alcoholic drinks in the past month.

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WISCONSIN	5	4-6	8,475	5	4-5	12,020
Male	9	8-10	3,835	9	8-10	5,250
Female	1	0-2	4,640	1	1-2	6,770
18-24	8	6-10	899	8	6-10	1,092
25-44	6	5-7	3,958	6	5-7	5,420
45-64	4	3-5	2,004	5	4-6	3,311
65+	2	1-3	1,614	2	1-3	2,197
Male 18-24	12	9-15	418	12	9-15	459
Male 25-44	10	9-11	1,910	10	9-11	2,533
Male 45-64	8	6-10	917	9	8-10	1,471
Male 65+	4	2-6	590	4	3-5	787
Female 18-24	3	1-5	481	3	2-4	633
Female 25-44	1	0-2	2,048	1	0-2	2,887
Female 45-64	1	0-2	1,087	1	0-2	1,840
Female 65+	<1	0-1	1,024	<1	0-1	1,410
White	5	4-6	7,719	5	4-6	10,458
Black	2	1-3	415	2	1-3	947
Hispanic	3	0-6	166	3	1-5	287
Other	2	0-4	152	2	0-4	272
SOUTHERN REGION	5	4-6	1,622	5	4-6	2,208
Male	8	6-10	745	9	7-11	1,023
Female	2	1-3	877	2	1-3	1,185
18-24	7	3-11	183	8	4-12	209
25-44	5	3-7	773	5	4-6	1,025
45-64	6	4-8	398	6	4-8	625
65+	2	1-3	268	1	0-2	349
Counties						
Dane	5	3-7	696	6	5-7	998
Dodge	7	3-11	132	3	0-6	181
Rock	4	2-6	265	5	3-7	339
County Groups						
a) Adams, Juneau, Sauk	8	4-12	169	5	2-8	218
b) Crawford, Grant, Iowa, Lafayette, Richland	3	1-5	228	5	2-8	281

N = number in sample.

(continued)

Table 3: Chronic Alcohol Drinkers, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
SOUTHEASTERN REGION	5	4-6	3,109	5	4-6	4,599
Male	9	7-11	1,372	10	9-11	1,918
Female	1	0-2	1,737	1	1-2	2,681
18-24	10	6-14	353	8	5-11	461
25-44	5	4-6	1,458	6	5-7	2,110
45-64	4	2-6	750	5	4-6	1,244
65+	3	2-4	548	2	1-3	784
Counties						
Kenosha	9	5-13	178	4	0-8	168
Milwaukee	6	5-7	1,741	6	5-7	2,891
Ozaukee	5	1-9	108	4	1-7	111
Racine	5	2-8	250	6	4-8	477
Walworth	1	0-2	118	3	0-6	126
Washington	2	0-4	132	6	1-11	166
Waukesha	4	2-6	460	3	1-5	527
NORTHEASTERN REGION	5	4-6	1,831	4	3-5	2,460
Male	9	7-11	844	8	6-10	1,103
Female	1	0-2	987	1	0-2	1,357
18-24	8	3-13	181	8	4-12	195
25-44	6	5-7	878	6	5-7	1,162
45-64	3	1-5	413	3	2-4	636
65+	2	1-3	359	1	0-2	467
Counties						
Brown	6	4-8	332	6	4-8	632
Fond du Lac	5	2-8	178	4	1-7	198
Manitowoc	2	0-4	144	6	2-10	174
Outagamie	4	2-6	233	6	3-9	294
Sheboygan	5	2-8	176	1	0-2	198
Winnebago	3	1-5	253	2	0-4	308
County Groups						
a) Door, Calumet, Kewaunee, Marinette, Oconto, Shawano	7	3-10	344	5	3-7	426
b) Green Lake, Marquette, Waupaca, Waushara	2	0-4	167	4	1-7	220

(continued)

Table 3: Chronic Alcohol Drinkers, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WESTERN REGION	4	3-5	1,168	4	3-5	1,627
Male	8	6-10	529	7	5-9	706
Female	1	0-2	639	1	0-2	921
18-24	6	1-11	122	10	4-16	139
25-44	5	3-7	505	4	3-5	678
45-64	4	2-6	263	4	2-6	461
65+	1	0-2	278	2	1-3	349
Counties						
Eau Claire	8	4-12	146	6	3-9	185
La Crosse	2	0-4	175	4	2-6	222
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	4	2-6	560	4	3-5	819
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	2	0-2	152	5	2-8	215
NORTHERN REGION	5	3-7	745	5	4-6	1,126
Male	10	7-13	345	10	7-13	500
Female	1	0-2	400	1	0-2	626
18-24	*	*	60	*	*	88
25-44	8	5-11	344	7	5-9	445
45-64	4	1-7	180	8	5-11	345
65+	1	0-2	161	1	0-2	248
Counties						
Marathon	3	1-5	164	6	3-9	274
Wood	7	3-11	136	8	4-12	210
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	96	3	1-5	155
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	5	3-7	349	5	3-7	487

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 4: Drinking and Driving, Combined Years 1989-1994 and 1993-1998

These are estimated percentages of adults (age 18+) who reported having driven after having too much to drink one or more times during the past month.

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WISCONSIN	6	5-7	8,475	5	4-6	12,020
Male	9	8-10	3,835	8	7-9	5,250
Female	3	2-4	4,640	2	1-3	6,770
18-24	8	6-10	899	9	7-11	1,092
25-44	9	8-10	3,958	7	6-8	5,420
45-64	3	2-4	2,004	3	2-4	3,311
65+	<1	0-1	1,614	1	0-2	2,197
Male 18-24	11	8-14	418	12	9-15	459
Male 25-44	13	11-15	1,910	11	10-12	2,533
Male 45-64	5	4-6	917	6	5-7	1,471
Male 65+	1	0-2	590	2	1-3	787
Female 18-24	6	4-8	481	6	4-8	633
Female 25-44	4	3-5	2,048	3	2-4	2,887
Female 45-64	1	0-1	1,087	1	0-1	1,840
Female 65+	<1	0-1	1,024	<1	0-1	1,410
White	6	5-7	7,719	5	4-6	10,458
Black	3	1-5	415	3	2-4	947
Hispanic	3	0-6	166	4	2-6	287
Other	2	0-4	152	5	3-7	272
SOUTHERN REGION	6	5-7	1,622	5	4-6	2,208
Male	9	7-11	745	8	6-10	1,023
Female	3	2-4	877	3	2-4	1,185
18-24	13	7-19	183	8	4-12	209
25-44	7	5-9	773	7	5-9	1,025
45-64	4	2-6	398	5	3-7	625
65+	1	0-2	268	1	0-2	349
Counties						
Dane	7	5-9	696	6	5-7	998
Dodge	9	4-14	132	4	1-7	181
Rock	6	3-9	265	6	3-9	339
County Groups						
a) Adams, Juneau, Sauk	7	3-11	169	6	3-9	218
b) Crawford, Grant, Iowa, Lafayette, Richland	5	2-8	228	5	2-8	281

N = number in sample.

(continued)

Table 4: Drinking and Driving, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
SOUTHEASTERN REGION	4	3-5	3,109	4	3-5	4,599
Male	7	6-8	1,372	7	6-8	1,918
Female	2	1-3	1,737	2	1-3	2,681
18-24	6	3-9	353	8	5-11	461
25-44	7	6-8	1,458	5	4-6	2,110
45-64	2	1-3	750	3	2-4	1,244
65+	<1	0-1	548	<1	0-1	784
Counties						
Kenosha	5	2-8	178	6	2-10	168
Milwaukee	4	3-5	1,741	4	3-5	2,891
Ozaukee	10	4-16	108	4	0-8	111
Racine	6	3-9	250	5	3-7	477
Walworth	4	1-7	118	2	0-4	126
Washington	10	5-15	132	5	1-9	166
Waukesha	3	1-5	460	4	2-6	527
NORTHEASTERN REGION	7	6-8	1,831	6	5-7	2,460
Male	11	9-13	844	10	8-12	1,103
Female	3	2-4	987	3	2-4	1,357
18-24	10	5-15	181	9	4-14	195
25-44	11	9-13	878	9	7-11	1,162
45-64	4	2-6	413	4	2-6	636
65+	<1	0-1	359	1	0-2	467
Counties						
Brown	8	5-11	332	9	7-11	632
Fond du Lac	7	3-11	178	7	3-11	198
Manitowoc	5	1-9	144	5	2-8	174
Outagamie	8	4-12	233	6	3-9	294
Sheboygan	6	2-10	176	4	1-7	198
Winnebago	5	2-8	253	4	2-6	308
County Groups						
a) Door, Calumet, Kewaunee, Marinette, Oconto, Shawano	9	6-12	344	6	4-8	426
b) Green Lake, Marquette, Waupaca, Waushara	7	3-11	167	7	3-11	220

(continued)

Table 4: Drinking and Driving, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WESTERN REGION	5	4-6	1,168	5	4-6	1,627
Male	8	6-10	529	8	6-10	706
Female	2	1-3	639	2	1-3	921
18-24	5	0-10	122	11	4-18	139
25-44	8	6-10	505	7	5-9	678
45-64	3	1-5	263	3	2-4	461
65+	0	--	278	0	--	349
Counties						
Eau Claire	3	0-6	146	2	0-4	185
La Crosse	4	1-7	175	7	4-10	222
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	4	2-6	560	5	3-7	819
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	6	2-10	152	6	3-9	215
NORTHERN REGION	7	5-9	745	6	5-7	1,126
Male	11	8-14	345	10	7-13	500
Female	2	1-3	400	2	1-3	626
18-24	*	*	60	*	*	88
25-44	12	9-15	344	11	8-14	445
45-64	1	0-2	180	2	0-4	345
65+	1	0-2	161	1	0-2	248
Counties						
Marathon	6	2-10	164	7	4-10	274
Wood	11	6-16	136	9	5-13	210
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	96	3	0-6	155
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	6	3-9	349	5	3-7	487

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 5: Safety Belt Non-Use, Combined Years 1989-1993 and 1993, 1995, 1997

These are estimated percentages of adults (age 18+) who reported wearing seatbelts "nearly always", "sometimes," "seldom," or "never" (i.e., they do not always wear a seatbelt when driving or riding in a car).

	Percent	1989-1993 95% C.I.	N	Percent	1993, 1995, 1997 95% C.I.	N
WISCONSIN	48	47-49	6,913	43	42-44	6,022
Male	55	53-57	3,169	52	50-54	2,659
Female	40	38-42	3,744	34	32-36	3,363
18-24	63	59-67	731	56	51-61	559
25-44	47	45-49	3,237	43	41-45	2,711
45-64	46	44-48	1,618	39	37-41	1,630
65+	39	36-42	1,327	34	31-37	1,122
Male 18-24	69	64-74	339	67	61-73	226
Male 25-44	56	54-58	1,567	55	52-58	1,277
Male 45-64	53	49-57	763	45	41-49	759
Male 65+	46	42-50	500	43	38-48	397
Female 18-24	56	51-61	392	46	41-51	333
Female 25-44	38	36-40	1,670	34	32-36	1,434
Female 45-64	40	37-43	855	33	30-36	871
Female 65+	33	30-36	827	28	25-31	725
White	47	46-48	6,427	41	40-42	5,391
Black	61	55-67	239	64	59-69	344
Hispanic	57	48-66	120	61	54-69	131
Other	42	33-51	110	37	29-45	127
SOUTHERN REGION	47	44-50	1,344	43	40-46	1,180
Male	55	51-59	607	52	48-56	557
Female	39	36-42	737	34	30-38	623
18-24	59	50-68	159	49	39-59	124
25-44	47	43-51	646	46	42-50	554
45-64	46	40-52	318	40	35-45	314
65+	33	27-39	221	33	26-40	188
Counties						
Dane	39	35-43	574	35	31-39	522
Dodge	65	56-74	111	*	*	98
Rock	46	39-53	219	49	42-56	178
County Groups						
a) Adams, Juneau, Sauk	49	41-57	138	50	41-59	116
b) Crawford, Grant, Iowa, Lafayette, Richland	52	45-59	193	51	43-59	164

N = number in sample.

(continued)

Table 5: Safety Belt Non-Use, Combined Years 1989-1993 and 1993, 1995, 1997 (continued)

	Percent	1989-1993 95% C.I.	N	Percent	1993, 1995, 1997 95% C.I.	N
SOUTHEASTERN REGION	46	44-48	2,452	42	40-44	2,085
Male	52	49-55	1,110	49	45-53	880
Female	40	37-43	1,342	35	32-38	1,205
18-24	64	57-71	266	58	50-66	196
25-44	45	42-48	1,145	43	40-46	964
45-64	43	39-47	602	38	34-42	560
65+	36	32-40	439	34	29-39	365
Counties						
Kenosha	55	47-63	154	*	*	87
Milwaukee	47	44-50	1,269	47	44-50	1,196
Ozaukee	*	*	95	*	*	55
Racine	44	37-51	218	47	41-53	235
Walworth	49	39-59	106	*	*	71
Washington	46	37-55	113	*	*	89
Waukesha	39	31-47	397	35	28-42	291
NORTHEASTERN REGION	51	48-54	1,524	42	39-45	1,292
Male	60	56-64	708	52	48-56	579
Female	43	40-46	816	33	30-36	713
18-24	63	54-72	155	54	43-65	110
25-44	50	47-53	733	43	39-47	605
45-64	52	48-58	331	41	36-46	334
65+	42	37-47	305	35	29-41	243
Counties						
Brown	50	44-56	273	41	36-46	331
Fond du Lac	54	46-62	150	47	37-57	102
Manitowoc	60	51-69	119	*	*	82
Outagamie	47	40-54	205	41	33-49	158
Sheboygan	46	38-54	147	39	29-49	111
Winnebago	46	39-53	208	39	31-47	165
County Groups						
a) Door, Calumet, Kewaunee, Marinette, Oconto, Shawano	54	48-60	276	43	36-50	213
b) Green Lake, Marquette, Waupaca, Waushara	50	42-58	143	47	38-56	123

(continued)

Table 5: Safety Belt Non-Use, Combined Years 1989-1993 and 1993, 1995, 1997 (continued)

	Percent	1989-1993 95% C.I.	N	Percent	1993, 1995, 1997 95% C.I.	N
WESTERN REGION	48	45-51	965	43	40-46	864
Male	57	52-62	444	55	50-60	377
Female	40	36-44	521	32	28-36	487
18-24	63	52-74	102	*	*	80
25-44	46	41-51	416	46	41-51	350
45-64	47	40-54	217	38	32-44	249
65+	43	37-49	230	35	28-42	185
Counties						
Eau Claire	33	25-41	122	36	27-45	103
La Crosse	55	47-63	137	44	35-53	111
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	46	41-51	463	42	37-47	429
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	59	51-67	131	53	44-62	122
NORTHERN REGION	48	44-52	628	44	40-48	601
Male	59	53-65	300	57	51-63	266
Female	37	32-42	328	32	27-37	335
18-24	*	*	49	*	*	49
25-44	46	40-52	297	49	43-55	238
45-64	48	40-56	150	36	29-43	173
65+	44	36-52	132	33	26-40	141
Counties						
Marathon	44	36-52	141	37	30-44	144
Wood	47	38-56	110	50	42-58	123
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	74	*	*	80
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	49	43-55	303	44	38-50	254

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 6: Physical Inactivity, Combined Years 1989-1992, 1994 and 1994, 1996, 1998

These are estimated percentages of adults (age 18+) who reported performing: a) no leisure-time physical activity, or b) one or more physical activities that were done for less than 20 minutes, or fewer than 3 times per week.

	1989-1992, 1994			1994, 1996, 1998		
	Percent	95% C.I.	N	Percent	95% C.I.	N
WISCONSIN	55	54-56	6,908	53	52-54	5,998
Male	54	52-56	3,125	55	53-57	2,591
Female	55	53-57	3,783	51	49-53	3,407
18-24	45	41-49	745	46	41-51	533
25-44	53	51-55	3,242	52	50-54	2,709
45-64	58	56-60	1,609	54	52-56	1,681
65+	60	57-63	1,312	59	56-62	1,075
Male 18-24	42	37-47	350	43	37-49	233
Male 25-44	56	54-58	1,567	57	54-60	1,256
Male 45-64	58	54-62	732	56	52-60	712
Male 65+	54	50-58	476	58	53-63	390
Female 18-24	49	44-54	395	49	43-55	300
Female 25-44	50	48-52	1,675	48	45-51	1,453
Female 45-64	58	55-61	877	52	49-55	969
Female 65+	64	61-67	836	59	55-63	685
White	54	53-55	6,257	53	52-54	5,067
Black	63	58-68	367	64	60-68	603
Hispanic	55	47-63	138	48	40-56	156
Other	55	46-64	125	56	48-64	145
SOUTHERN REGION	53	50-56	1,284	52	49-55	1,028
Male	55	51-59	576	53	48-58	466
Female	51	47-55	708	50	46-54	562
18-24	47	37-57	145	*	*	85
25-44	50	46-54	612	50	46-54	471
45-64	58	52-64	312	54	49-59	311
65+	59	53-65	215	64	56-72	161
Counties						
Dane	52	48-56	567	48	44-52	476
Dodge	*	*	96	*	*	83
Rock	48	41-55	211	49	41-57	164
County Groups						
a) Adams, Juneau, Sauk	54	45-63	127	55	45-65	102
b) Crawford, Grant, Iowa, Lafayette, Richland	58	51-65	175	55	45-65	117

N = number in sample.

(continued)

Table 6: Sedentary Lifestyle, Combined Years 1989-1992, 1994 and 1994, 1996, 1998
(continued)

	1989-1992, 1994			1994, 1996, 1998		
	Percent	95% C.I.	N	Percent	95% C.I.	N
SOUTHEASTERN REGION	55	53-57	2,580	55	53-57	2,514
Male	54	51-57	1,144	57	54-60	1,038
Female	57	55-59	1,436	54	52-56	1,476
18-24	50	44-56	301	51	45-57	265
25-44	54	51-57	1,222	55	52-58	1,146
45-64	58	54-62	611	56	52-60	684
65+	59	54-64	446	57	52-62	419
Counties						
Kenosha	52	44-60	154	*	*	81
Milwaukee	55	52-58	1,459	56	54-58	1,695
Ozaukee	*	*	94	*	*	56
Racine	55	48-62	204	51	43-59	242
Walworth	*	*	99	*	*	55
Washington	62	52-72	105	*	*	77
Waukesha	55	50-60	371	53	45-61	236
NORTHEASTERN REGION	53	50-56	1,487	54	51-57	1,168
Male	52	48-56	685	56	51-61	524
Female	55	52-58	802	52	48-56	644
18-24	44	35-53	148	*	*	85
25-44	51	47-55	709	50	46-54	557
45-64	57	52-62	335	55	49-61	302
65+	60	54-66	295	62	55-69	224
Counties						
Brown	58	52-64	266	53	48-58	301
Fond du Lac	54	46-62	143	*	*	96
Manitowoc	48	39-57	120	*	*	92
Outagamie	46	39-53	189	47	38-56	136
Sheboygan	61	53-69	146	*	*	87
Winnebago	48	41-55	208	62	53-71	143
County Groups						
a) Calumet, Door, Kewaunee, Marinette, Oconto, Shawano	54	48-60	283	58	51-65	213
b) Green Lake, Marquette, Waupaca, Waushara	56	47-65	129	*	*	97

(continued)

Table 6: Sedentary Lifestyle, Combined Years 1989-1992, 1994 and 1994, 1996, 1998
(continued)

	1989-1992, 1994			1994, 1996, 1998		
	Percent	95% C.I.	N	Percent	95% C.I.	N
WESTERN REGION	55	52-58	948	50	46-54	763
Male	56	51-61	432	50	44-56	329
Female	55	51-59	516	50	45-55	434
18-24	32	21-43	102	*	*	59
25-44	56	51-61	410	52	47-57	328
45-64	61	54-68	210	49	42-56	212
65+	63	57-69	226	54	46-62	164
Counties						
Eau Claire	49	40-58	114	*	*	82
La Crosse	51	43-58	149	45	35-55	111
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	57	52-62	454	52	47-57	390
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	62	54-70	125	*	*	93
NORTHERN REGION	57	53-61	609	53	49-57	525
Male	58	52-64	288	60	53-67	234
Female	56	51-61	321	46	40-52	291
18-24	*	*	49	*	*	39
25-44	58	52-64	289	53	46-60	207
45-64	60	52-68	141	52	45-59	172
65+	57	49-65	130	58	48-68	107
Counties						
Marathon	53	45-61	138	53	44-62	130
Wood	50	41-59	110	*	*	87
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	80	*	*	75
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	61	55-67	281	55	49-61	233

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 7: Overweight Based on Body Mass Index, Combined Years 1989-1994 and 1993-1998

These are estimated percentages of adults (age 18+) who are overweight based on self-reported height and weight. For each respondent, Body Mass Index was calculated: weight in kilograms divided by height in meters squared. Females with BMI greater than or equal to 27.3 and males with BMI greater than or equal to 27.8 are considered overweight.

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WISCONSIN	26	25-27	8,475	31	30-32	12,020
Male	29	28-30	3,835	33	32-34	5,250
Female	24	23-25	4,640	28	27-29	6,770
18-24	13	10-16	899	17	14-20	1,092
25-44	24	23-25	3,958	28	27-29	5,420
45-64	36	34-38	2,004	39	37-41	3,311
65+	28	26-30	1,614	34	32-36	2,197
Male 18-24	15	12-18	418	16	13-19	459
Male 25-44	28	26-30	1,910	33	31-35	2,533
Male 45-64	39	36-42	917	42	39-45	1,471
Male 65+	25	22-28	590	33	30-36	787
Female 18-24	12	9-15	481	17	14-20	633
Female 25-44	21	19-21	2,048	23	21-25	2,887
Female 45-64	34	31-37	1,087	36	34-38	1,840
Female 65+	29	26-32	1,024	34	32-36	1,410
White	26	25-27	7,719	30	29-31	10,458
Black	34	29-39	415	40	37-43	947
Hispanic	20	14-26	166	33	28-38	287
Other	25	18-32	152	26	21-31	272
SOUTHERN REGION	25	23-27	1,622	28	26-30	2,208
Male	27	24-30	745	30	27-33	1,023
Female	24	21-27	877	26	24-28	1,185
18-24	13	7-19	183	9	4-14	209
25-44	25	22-28	773	27	24-30	1,025
45-64	36	31-41	398	36	32-40	625
65+	23	18-28	268	32	27-37	349
Counties						
Dane	19	16-22	696	22	19-25	998
Dodge	30	22-38	132	29	22-36	181
Rock	28	23-33	265	35	30-40	339
County Groups						
a) Adams, Juneau, Sauk	31	24-38	169	31	25-37	218
b) Crawford, Grant, Iowa, Lafayette, Richland	34	28-40	228	33	27-39	281

N = number in sample.

(continued)

Table 7: Overweight Based on Body Mass Index, Combined Years 1989-1994 and 1993-1998
(continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
SOUTHEASTERN REGION	26	24-28	3,109	30	29-31	4,599
Male	29	26-32	1,372	32	30-34	1,918
Female	23	21-25	1,737	28	26-30	2,681
18-24	11	7-15	353	16	12-20	461
25-44	24	22-26	1,458	28	26-30	2,110
45-64	38	34-42	750	39	36-42	1,244
65+	25	21-29	548	32	29-35	784
Counties						
Kenosha	26	19-33	178	31	22-40	168
Milwaukee	26	24-28	1,741	31	30-32	2,891
Ozaukee	18	11-25	108	34	23-45	111
Racine	23	18-28	250	30	26-34	477
Walworth	26	18-34	118	37	26-48	126
Washington	29	21-37	132	29	20-38	166
Waukesha	27	21-31	460	27	22-32	527
NORTHEASTERN REGION	27	25-29	1,831	31	29-33	2,460
Male	28	25-31	844	33	30-36	1,103
Female	26	23-29	987	29	27-31	1,357
18-24	14	8-20	181	18	11-25	195
25-44	25	22-28	878	28	25-31	1,162
45-64	36	31-41	413	39	35-43	636
65+	29	24-34	359	32	28-36	467
Counties						
Brown	24	19-29	332	27	24-30	632
Fond du Lac	34	27-41	178	34	27-41	198
Manitowoc	25	18-32	144	31	24-38	174
Outagamie	21	16-26	233	31	25-37	294
Sheboygan	27	20-34	176	37	30-44	198
Winnebago	23	18-28	253	23	18-28	308
County Groups						
a) Calumet, Door, Kewaunee, Marinette, Oconto, Shawano	34	29-39	344	34	29-39	426
b) Green Lake, Marquette, Waupaca, Waushara	27	20-34	167	33	26-40	220

(continued)

Table 7: Overweight Based on Body Mass Index, Combined Years 1989-1994 and 1993-1998
(continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WESTERN REGION	27	24-30	1,168	34	32-36	1,627
Male	30	26-34	529	41	37-45	706
Female	25	22-28	639	28	25-31	921
18-24	14	6-22	122	25	16-34	139
25-44	26	22-30	505	31	28-34	678
45-64	34	28-40	263	42	38-46	461
65+	32	27-37	278	37	32-42	349
Counties						
Eau Claire	18	12-24	146	29	23-35	185
La Crosse	21	15-27	175	32	26-38	222
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	30	26-34	560	33	30-36	819
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	30	23-37	152	40	33-47	215
NORTHERN REGION	28	25-31	745	32	29-35	1,126
Male	29	24-34	345	34	30-38	500
Female	28	24-32	400	29	26-32	626
18-24	*	*	60	*	*	88
25-44	23	19-27	344	26	22-30	445
45-64	33	26-40	180	38	33-43	345
65+	36	31-43	161	40	34-46	248
Counties						
Marathon	26	19-33	164	28	23-33	274
Wood	33	25-41	136	39	33-45	210
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	96	27	20-34	155
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	30	25-35	349	32	28-36	487

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 8: Diabetes, Combined Years 1989-1994 and 1993-1998

These are estimated percentages of adults (age 18+) who have ever been told by a doctor that they have diabetes (not including women who were told this only when pregnant).

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WISCONSIN	4	3-5	8,475	4	3-5	12,020
Male	4	3-5	3,835	4	3-5	5,250
Female	4	3-5	4,640	4	3-5	5,770
18-24	<1	0-2	899	1	0-2	1,092
25-44	2	1-3	3,958	1	0-2	5,420
45-64	6	5-7	2,004	6	5-7	3,311
65+	11	10-12	1,614	11	10-12	2,197
Male 18-24	1	0-2	418	2	0-4	459
Male 25-44	2	1-3	1,910	1	1-2	2,533
Male 45-64	7	5-9	917	6	5-7	1,471
Male 65+	11	8-14	590	13	11-15	787
Female 18-24	<1	0-1	481	<1	0-1	633
Female 25-44	2	1-3	2,048	1	1-2	2,887
Female 45-64	5	4-6	1,087	6	5-7	1,840
Female 65+	11	9-13	1,024	10	8-12	1,410
White	4	3-5	7,719	4	3-5	10,458
Black	6	4-8	415	8	6-10	947
Hispanic	5	2-8	166	2	0-4	287
Other	5	2-8	152	4	2-6	272
SOUTHERN REGION	3	2-4	1,622	4	3-5	2,208
Male	4	3-5	745	4	3-5	1,023
Female	3	2-4	877	4	3-5	1,185
18-24	1	0-2	183	<1	0-1	209
25-44	2	1-3	773	1	0-2	1,025
45-64	5	3-7	398	7	5-9	625
65+	6	3-9	268	9	6-12	349
Counties						
Dane	2	1-3	696	2	1-3	998
Dodge	9	4-14	132	5	2-8	181
Rock	3	1-5	265	7	4-10	339
County Groups						
a) Adams, Juneau, Sauk	3	0-6	169	5	2-8	218
b) Crawford, Grant, Iowa, Lafayette, Richland	4	1-7	228	4	1-7	281

N = number in sample.

(continued)

Table 8: Diabetes, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
SOUTHEASTERN REGION	4	3-5	3,109	5	4-6	4,599
Male	4	3-5	1,372	4	3-5	1,918
Female	5	4-6	1,737	5	4-6	2,681
18-24	0	--	353	1	0-2	461
25-44	2	1-3	1,458	1	0-2	2,110
45-64	6	4-8	750	6	5-7	1,244
65+	12	9-15	548	13	11-15	784
Counties						
Kenosha	4	1-7	178	6	1-11	168
Milwaukee	5	4-6	1,741	5	4-6	2,891
Ozaukee	2	0-4	108	3	0-6	111
Racine	5	2-8	250	4	2-6	477
Walworth	8	3-13	118	8	2-14	126
Washington	6	2-10	132	3	0-6	166
Waukesha	2	1-3	460	3	1-5	527
NORTHEASTERN REGION	4	3-5	1,831	3	2-4	2,460
Male	4	3-5	844	4	3-5	1,103
Female	5	4-6	987	3	2-4	1,357
18-24	0	--	181	2	0-4	195
25-44	2	1-3	878	1	0-2	1,162
45-64	6	4-8	413	4	2-6	636
65+	12	9-15	359	10	7-13	467
Counties						
Brown	5	3-7	332	2	1-3	632
Fond du Lac	2	0-4	178	2	0-4	198
Manitowoc	4	1-7	144	3	0-6	174
Outagamie	5	2-8	233	3	1-5	294
Sheboygan	5	2-8	176	5	2-8	198
Winnebago	2	0-4	253	1	0-2	308
County Groups						
a) Calumet, Door, Kewaunee, Marinette, Oconto, Shawano	5	3-7	344	4	2-6	426
b) Green Lake, Marquette, Waupaca, Waushara	8	4-12	167	7	3-11	220

(continued)

Table 8: Diabetes, Combined Years 1989-1994 and 1993-1998 (continued)

	Percent	1989-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WESTERN REGION	5	4-6	1,168	5	4-6	1,627
Male	5	3-7	529	5	3-7	706
Female	4	3-5	636	4	3-5	921
18-24	2	0-4	122	4	1-7	139
25-44	1	0-2	505	1	0-2	678
45-64	8	5-11	263	6	4-8	461
65+	9	6-12	278	12	9-15	349
Counties						
Eau Claire	4	1-7	146	4	1-7	185
La Crosse	6	2-10	175	4	1-7	222
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	5	3-7	560	5	4-6	819
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	1	0-2	152	4	1-7	215
NORTHERN REGION	5	3-7	745	6	5-7	1,126
Male	5	3-7	345	7	5-9	500
Female	5	3-7	400	5	3-7	626
18-24	*	*	60	*	*	88
25-44	1	0-2	344	1	0-2	445
45-64	4	1-7	180	8	5-11	345
65+	15	10-20	161	14	10-18	248
Counties						
Marathon	2	0-4	164	5	2-8	274
Wood	8	4-12	136	8	5-11	210
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	96	6	2-10	155
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	5	3-7	349	6	4-8	487

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 9: Cholesterol Screening, Combined Years 1989-1993 and 1993, 1995-1998

These are estimated percentages of adults (age 18+) who have had their blood cholesterol level measured within the last five years.

	Percent	1989-1993 95% C.I.	N	Percent	1993, 1995-1998 95% C.I.	N
WISCONSIN	64	63-65	6,913	65	64-66	10,458
Male	59	57-61	3,169	61	60-62	4,584
Female	67	66-68	3,744	68	67-69	5,874
18-24	34	30-38	731	34	30-38	924
25-44	57	55-59	3,237	57	56-58	4,699
45-64	79	77-81	1,618	79	78-80	2,925
65+	81	79-83	1,327	82	80-84	1,910
Male 18-24	28	23-33	339	27	23-31	380
Male 25-44	52	50-54	1,567	54	52-56	2,190
Male 45-64	77	74-80	763	77	75-79	1,317
Male 65+	80	77-83	500	81	78-84	697
Female 18-24	41	36-46	392	40	36-44	544
Female 25-44	62	60-64	1,670	61	59-63	2,509
Female 45-64	80	77-83	855	82	80-84	1,608
Female 65+	81	78-84	827	82	80-84	1,213
White	64	63-65	6,427	66	65-67	9,166
Black	51	45-57	239	60	57-63	771
Hispanic	59	50-68	120	54	48-60	241
Other	54	45-53	110	54	48-60	230
SOUTHERN REGION	62	59-65	1,344	66	64-68	1,930
Male	56	52-60	607	61	58-64	885
Female	67	64-70	737	71	68-74	1,045
18-24	26	18-34	159	34	26-42	185
25-44	57	53-61	646	61	58-64	898
45-64	80	76-84	318	81	78-84	545
65+	82	77-87	221	80	75-85	302
Counties						
Dane	65	62-68	574	68	65-71	876
Dodge	45	35-55	111	60	52-68	160
Rock	69	63-75	219	67	61-73	293
County Groups						
a) Adams, Juneau, Sauk	60	52-68	138	63	56-70	187
b) Crawford, Grant, Iowa, Lafayette, Richland	58	51-65	193	65	59-71	246

N = number in sample.

(continued)

Table 9: Cholesterol Screening, Combined Years 1989-1993 and 1993, 1995-1998 (continued)

	Percent	1989-1993 95% C.I.	N	Percent	1993, 1995-1998 95% C.I.	N
SOUTHEASTERN REGION	64	62-66	2,452	66	65-67	3,942
Male	62	59-65	1,110	63	61-65	1,656
Female	67	65-69	1,342	68	66-70	2,286
18-24	35	28-42	266	35	29-41	374
25-44	57	54-60	1,145	58	56-60	1,797
45-64	81	78-84	602	81	79-83	1,096
65+	82	78-86	439	82	79-85	675
Counties						
Kenosha	59	51-67	154	54	43-65	144
Milwaukee	63	60-66	1,269	63	61-65	2,419
Ozaukee	*	*	95	*	*	98
Racine	66	60-72	218	69	65-73	445
Walworth	60	51-69	106	69	58-80	114
Washington	65	56-74	113	73	64-82	147
Waukesha	70	65-75	397	70	65-75	464
NORTHEASTERN REGION	64	62-66	1,524	64	62-66	2,153
Male	60	56-64	708	60	57-63	967
Female	67	64-70	816	67	64-70	1,186
18-24	39	30-48	155	28	20-36	169
25-44	57	54-60	733	57	54-60	1,017
45-64	77	72-82	331	77	73-81	554
65+	82	78-86	305	82	78-86	413
Counties						
Brown	64	58-70	273	69	66-72	573
Fond du Lac	62	54-70	150	57	49-65	170
Manitowoc	59	50-68	119	52	43-61	149
Outagamie	66	60-72	205	68	62-74	266
Sheboygan	54	46-62	147	65	57-73	169
Winnebago	69	63-75	208	60	54-66	263
County Groups						
a) Door, Calumet, Kewaunee, Marinette, Oconto, Shawano	64	58-70	276	63	58-68	358
b) Green Lake, Marquette, Waupaca, Waushara	67	59-75	143	67	60-74	196

(continued)

Table 9: Cholesterol Screening, Combined Years 1989-1993 and 1993, 1995-1998 (continued)

	Percent	1989-1993 95% C.I.	N	Percent	1993, 1995-1998 95% C.I.	N
WESTERN REGION	62	59-65	965	63	60-66	1,424
Male	57	52-62	444	58	54-62	621
Female	66	62-70	521	67	64-70	803
18-24	34	33-35	102	33	22-44	119
25-44	55	50-60	416	53	49-57	589
45-64	77	71-83	217	78	74-82	415
65+	77	72-82	230	80	75-85	301
Counties						
Eau Claire	64	55-73	122	64	57-71	161
La Crosse	66	58-74	137	71	64-78	184
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Pierce, Polk, Rusk, St. Croix, Washburn	60	56-64	463	61	57-65	722
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	59	51-67	131	61	54-68	194
NORTHERN REGION	65	61-69	628	66	63-69	1,009
Male	59	53-65	300	60	55-65	455
Female	71	66-76	328	72	68-76	554
18-24	*	*	49	*	*	77
25-44	58	53-63	297	55	50-60	398
45-64	71	63-79	150	77	73-81	315
65+	80	73-87	132	84	79-89	219
Counties						
Marathon	62	54-70	141	64	58-70	251
Wood	61	52-70	110	62	55-69	184
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	74	76	69-83	133
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	68	63-73	303	66	62-70	441

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 10: Blood Pressure Screening, Combined Years 1991-1993 and 1993, 1995, 1997-1998

These are estimated percentages of adults (age 18+) who reported having had their blood pressure taken by a doctor, nurse or other health professional within the past year.

	Percent	1991-1993 95% C.I.	N	1993, 1995, 1997-1998 Percent	95% C.I.	N
WISCONSIN	87	86-88	4,377	85	84-86	8,227
Male	83	81-85	1,993	80	79-81	3,637
Female	91	90-92	2,384	89	88-90	4,590
18-24	82	78-86	436	83	80-86	737
25-44	84	82-86	2,021	81	80-82	3,668
45-64	91	89-93	1,073	86	85-87	2,305
65+	93	91-95	847	92	91-93	1,517
Male 18-24	75	69-81	197	74	69-79	300
Male 25-44	80	77-83	956	75	73-77	1,719
Male 45-64	89	86-92	505	82	80-84	1,064
Male 65+	93	90-96	335	91	89-93	554
Female 18-24	90	86-94	239	93	91-95	437
Female 25-44	90	88-92	1,065	87	85-89	1,949
Female 45-64	92	90-94	568	89	87-91	1,241
Female 65+	93	91-95	512	92	90-94	963
White	87	86-88	4,064	85	84-86	7,335
Black	95	92-98	149	90	87-93	506
Hispanic	*	*	73	85	80-90	174
Other	*	*	79	81	75-87	178
SOUTHERN REGION	86	84-88	894	84	82-86	1,559
Male	80	76-84	409	79	76-82	732
Female	91	89-93	485	90	88-92	827
18-24	*	*	97	81	73-89	151
25-44	83	80-86	429	81	78-84	732
45-64	92	89-95	221	86	83-89	429
65+	92	88-96	147	94	91-97	247
Counties						
Dane	86	82-90	366	86	83-89	698
Dodge	*	*	77	84	78-90	129
Rock	90	85-95	151	87	83-91	233
County Groups						
a) Adams, Juneau, Sauk	81	75-87	140	80	75-85	236
b) Crawford, Grant, Iowa, Lafayette, Richland	89	84-94	160	83	78-88	263

N = number in sample.

(continued)

Table 10: Blood Pressure Screening, Combined Years 1991-1993 and 1993, 1995, 1997-1998
(continued)

	Percent	1991-1993 95% C.I.	N	Percent	1993, 1995, 1997-1998 95% C.I.	N
SOUTHEASTERN REGION	88	86-90	1,512	87	86-88	2,915
Male	84	81-87	681	83	81-85	1,236
Female	92	90-94	831	90	89-91	1,679
18-24	85	78-92	151	87	82-92	280
25-44	86	84-88	694	84	82-86	1,327
45-64	91	88-94	393	87	85-89	812
65+	92	89-95	274	92	90-94	496
Counties						
Milwaukee	90	88-92	780	87	86-88	1,742
Racine	82	75-89	135	84	80-88	279
Waukesha	88	84-92	248	87	83-91	391
County Group						
Kenosha, Ozaukee, Walworth, Washington	87	83-91	278	87	83-91	419
NORTHEASTERN REGION	87	85-89	968	85	83-87	1,748
Male	84	81-87	449	79	76-82	794
Female	91	89-93	519	90	88-92	954
18-24	*	*	94	81	73-89	138
25-44	84	81-87	449	80	77-83	810
45-64	92	88-96	227	90	87-93	461
65+	93	90-96	198	91	78-94	339
Counties						
Brown	83	77-89	172	83	80-86	416
Outagamie	85	79-91	125	83	78-88	225
Winnebago	90	85-95	141	90	86-94	215
County Groups						
a) Door, Calumet, Kewaunee, Marinette, Oconto, Shawano	89	85-93	243	84	80-88	426
b) Fond du Lac, Green Lake, Marquette, Sheboygan, Waupaca, Waushara	88	84-92	285	85	82-88	457

(continued)

Table 10: Blood Pressure Screening, Combined Years 1991-1993 and 1993, 1995, 1997-1998
(continued)

	Percent	1991-1993 95% C.I.	N	1993, 1995, 1997-1998 Percent	95% C.I.	N
WESTERN REGION	88	85-91	601	82	80-84	1,174
Male	85	81-89	270	77	73-81	505
Female	90	87-93	331	87	85-89	669
18-24	*	*	59	80	71-89	104
25-44	83	79-87	258	80	77-83	482
45-64	88	82-94	139	78	74-82	343
65+	97	94-100	145	93	90-96	245
County Groups						
a) Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pierce, Polk, Rusk, St. Croix, Washburn	88	85-91	359	81	78-84	723
b) Buffalo, Jackson, Monroe, Pepin, Trempealeau	89	84-94	166	87	83-91	317
NORTHERN REGION	86	83-86	402	81	78-84	831
Male	82	76-88	184	73	69-77	370
Female	90	86-94	218	89	86-92	461
18-24	*	*	35	*	*	64
25-44	87	82-92	191	74	69-79	317
45-64	*	*	93	82	78-86	260
65+	*	*	83	89	85-93	190
County Groups						
a) Ashland, Bayfield, Iron, Vilas	*	*	51	76	69-83	114
b) Florence, Forest, Langlade, Lincoln, Oneida, Portage, Price, Sawyer, Taylor	86	82-90	351	82	79-85	717

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 11: Pap Smear Testing, Combined Years 1989, 1991-1994 and 1993-1998

These are estimated percentages of women (age 18+) who reported having had a Pap smear within the past two years (excluding women who reported having had a hysterectomy).

	1989, 1991-1994			1993-1998		
	Percent	95% C.I.	N	Percent	95% C.I.	N
WISCONSIN	76	75-77	3,217	77	76-78	5,543
18-24	78	74-82	401	82	79-85	633
25-44	83	81-85	1,634	83	82-84	2,726
45-64	76	73-79	661	76	74-78	1,301
65+	53	49-57	521	56	53-59	883
White	76	74-78	2,857	77	76-78	4,711
Black	88	84-92	216	86	83-89	523
Hispanic	*	*	72	78	72-84	160
Other	*	*	65	75	67-83	127
SOUTHERN REGION	78	75-81	610	79	77-81	977
18-24	*	*	78	88	81-95	104
25-44	83	79-87	320	82	79-85	504
45-64	83	77-89	127	80	75-85	244
65+	*	*	85	53	44-62	125
Counties						
Dane	82	77-87	264	84	81-87	459
Rock	82	75-89	104	82	76-88	148
County Groups						
a) Adams, Columbia, Dodge, Juneau, Sauk	69	63-76	136	70	64-76	211
b) Crawford, Grant, Green, Iowa, Lafayette, Richland	76	68-84	106	73	67-80	159
SOUTHEASTERN REGION	77	75-79	1,216	77	75-79	2,187
18-24	81	75-87	160	80	75-85	275
25-44	82	79-85	635	84	82-86	1,129
45-64	74	69-79	253	77	73-81	480
65+	56	49-63	168	54	49-59	303
Counties						
Milwaukee	78	75-81	728	77	75-79	1,438
Waukesha	77	71-83	171	83	77-89	223
County Group						
Kenosha, Ozaukee, Racine, Walworth Washington	73	68-78	275	75	71-79	476

N = number in sample.

(continued)

Table 11: Pap Smear Testing, Combined Years 1989, 1991-1994 and 1993-1998 (continued)

	1989, 1991-1994			1993-1998		
	Percent	95% C.I.	N	Percent	95% C.I.	N
NORTHEASTERN REGION	75	72-78	675	77	75-79	1,125
18-24	*	*	81	84	77-91	123
25-44	85	81-89	335	86	83-89	547
45-64	77	70-84	144	72	66-78	251
65+	44	35-53	115	56	49-63	204
Counties						
Brown	78	71-85	122	80	76-84	335
Winnebago	80	72-88	102	79	72-86	143
County Groups						
a) Door, Calumet, Kewaunee, Manitowoc, Marinette, Oconto, Shawano	70	63-77	166	72	66-78	245
b) Fond du Lac, Green Lake, Marquette, Outagamie, Sheboygan, Waupaca, Waushara	74	69-79	283	77	73-81	397
WESTERN REGION	74	70-78	436	73	70-76	746
18-24	*	*	57	*	*	77
25-44	81	76-86	193	79	75-83	334
45-64	*	*	85	74	68-80	184
65+	55	46-64	101	56	49-63	151
County Groups						
a) Barron, Burnett, Chippewa, Clark Dunn, Eau Claire, Pierce, Polk, Rusk, St. Croix, Washburn	74	69-79	253	75	71-79	456
b) Buffalo, Jackson, La Crosse, Monroe, Pepin, Trempealeau	73	66-80	134	72	66-78	204
NORTHERN REGION	77	72-82	280	77	74-80	508
18-24	*	*	25	*	*	54
25-44	85	79-91	151	82	77-87	212
45-64	*	*	52	74	68-80	142
65+	*	*	52	64	55-73	100
County Group						
Florence, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Price, Sawyer, Taylor, Wood	80	75-85	244	79	75-83	442

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 12: Breast Cancer Screening, Combined Years 1990-1994 and 1993-1998

These are estimated percentages of women age 50+ who reported having had a mammogram and a breast exam by a doctor or other health care professional within the past year.

	Percent	1990-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
WISCONSIN	41	39-43	1,514	46	44-48	2,640
White	41	38-44	1,435	47	45-49	2,413
Black	*	*	48	44	36-52	144
Hispanic	*	*	12	*	*	19
Other	*	*	15	*	*	39
SOUTHERN REGION	39	34-44	282	47	42-52	426
County Groups						
a) Adams, Columbia, Dodge, Juneau, Sauk	*	*	88	42	32-52	113
b) Dane, Rock	45	36-54	131	53	47-59	226
SOUTHEASTERN REGION	46	42-50	512	48	45-51	952
Counties						
Milwaukee	45	39-51	303	49	45-53	582
County Group						
Kenosha, Ozaukee, Racine, Walworth, Washington, Waukesha	48	41-55	189	47	41-53	338
NORTHEASTERN REGION	36	31-41	331	44	40-48	551
County Groups						
a) Door, Calumet, Kewaunee, Manitowoc, Marinette, Oconto, Shawano	34	25-43	104	47	39-55	149
b) Brown, Fond du Lac, Green Lake, Marquette, Outagamie, Sheboygan, Waupaca, Waushara, Winnebago	36	30-42	227	43	38-48	399
WESTERN REGION	36	30-42	241	41	37-45	416
County Group						
a) Barron, Burnett, Chippewa, Clark, Dunn, Eau Claire, Pierce, Polk, Rusk, St. Croix, Washburn	35	28-42	147	44	38-50	254
b) Buffalo, Jackson, La Crosse, Monroe, Pepin, Trempealeau	*	*	62	40	32-48	114

N = number in sample.

(continued)

Table 12: Breast Cancer Screening, Combined Years 1990-1994 and 1993-1998 (continued)

	Percent	1990-1994 95% C.I.	N	Percent	1993-1998 95% C.I.	N
NORTHERN REGION	47	39-55	148	53	48-58	295
County Group						
Florence, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Price, Sawyer, Taylor, Wood	49	40-58	123	54	48-60	241

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Behavioral Risk Factor Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table 13: Lack of Health Care Coverage, Combined Years 1993-94 and 1997-98

These are estimated percentages of adults (age 18+) who had no health care coverage at least part of the previous year. Health care coverage includes Medicare, Medical Assistance, employer-provided coverage and privately-purchased coverage. Percentages were estimated by aggregating interviews conducted in 1993-1994 and 1997-1998 for the Family Health Survey.

	Percent	1993-1994 95% C.I.	N	Percent	1997-1998 95% C.I.	N
WISCONSIN	12	11-13	13,755	11	10-12	13,710
Male	13	12-14	6,740	11	10-12	6,655
Female	12	11-13	7,015	11	10-12	7,055
14 and under	11	10-12	3,352	11	10-12	3,334
15-24	23	21-25	1,950	19	17-21	1,866
25-44	15	14-16	4,313	14	13-15	4,088
45-64	8	7-9	2,611	8	7-9	2,708
65+	2	1-3	1,529	2	1-3	1,714
Male 14 and under	11	10-12	1,737	11	10-12	1,769
Male 15-24	23	20-26	949	19	16-22	900
Male 25-44	16	14-18	2,114	15	13-17	1,924
Male 45-64	9	7-11	1,270	7	6-8	1,314
Male 65+	3	2-4	670	2	1-3	748
Female 14 and under	12	10-14	1,615	11	9-13	1,565
Female 15-24	22	19-25	1,001	19	17-21	966
Female 25-44	13	12-14	2,199	14	13-15	2,164
Female 45-64	7	6-8	1,341	8	7-9	1,394
Female 65+	2	1-3	859	3	2-4	966
White	11	10-12	12,061	10	9-11	11,385
Black	21	19-23	1,084	27	25-29	1,487
Hispanic	28	23-33	265	21	17-25	352
Other	23	19-27	345	16	13-19	450
SOUTHERN REGION	10	9-11	2,604	11	10-12	2,285
Male	11	9-13	1,291	13	11-15	1,125
Female	9	8-10	1,313	10	8-12	1,160
14 and under	8	6-10	574	13	10-16	505
15-24	20	16-24	342	18	13-23	295
25-44	11	9-13	847	14	11-17	706
45-64	10	8-12	521	7	5-9	516
65+	2	1-3	320	2	0-4	263
Counties						
Columbia	6	3-9	159	10	5-15	125
Dane	9	7-11	1,108	10	8-12	954
Dodge	11	7-15	227	6	2-10	187
Grant	13	8-18	150	13	7-19	132
Green	15	8-22	104	*	*	63
Rock	12	9-15	369	12	9-15	388
Sauk	9	5-13	158	13	7-19	125

N = number in sample.

(continued)

Table 13: Lack of Health Care Coverage, Combined Years 1993-1994 and 1997-1998
(continued)

	Percent	1993-1994 95% C.I.	N	Percent	1997-1998 95% C.I.	N
County Groups						
a) Adams, Juneau	15	9-21	114	13	6-20	105
b) Crawford, Iowa, Lafayette, Richland	9	5-13	215	17	11-23	206
SOUTHEASTERN REGION						
	12	11-13	5,204	11	10-12	5,622
Male	13	12-14	2,525	11	10-12	2,676
Female	11	10-12	2,679	12	11-13	2,946
14 and under	10	8-12	1,337	11	10-12	1,459
15-24	24	21-27	767	18	16-20	808
25-44	15	13-17	1,658	14	12-16	1,679
45-64	6	4-8	914	9	7-11	1,056
65+	3	2-4	528	2	1-3	620
Counties						
Kenosha	14	9-19	305	14	9-19	255
Milwaukee	15	14-16	3,060	14	13-15	3,689
Ozaukee	5	1-9	207	5	1-9	140
Racine	13	9-17	369	10	6-14	360
Walworth	19	12-26	168	10	5-15	177
Washington	5	1-9	215	7	3-11	221
Waukesha	6	4-8	687	7	5-9	620
NORTHEASTERN REGION						
	10	9-11	2,968	9	8-10	2,829
Male	10	8-12	1,452	10	8-12	1,416
Female	11	9-13	1,516	8	7-9	1,413
14 and under	10	8-12	697	9	7-11	671
15-24	17	13-21	414	15	11-19	359
25-44	13	11-15	936	12	10-14	853
45-64	7	5-9	592	5	3-7	554
65+	2	1-3	329	3	1-5	392
Counties						
Brown	10	8-12	581	9	6-12	494
Fond du Lac	2	0-4	247	8	5-11	298
Manitowoc	12	8-16	200	5	2-8	251
Marinette	18	11-25	121	14	7-21	104
Outagamie	7	4-10	375	9	6-12	407
Shawano	12	6-18	116	24	16-32	103
Sheboygan	10	7-13	311	4	2-6	263
Waupaca	16	11-21	169	16	10-22	135
Winnebago	12	9-15	408	10	7-13	356

(continued)

Table 13: Lack of Health Care Coverage, Combined Years 1993-1994 and 1997-1998
(continued)

	1993-1994			1997-1998		
	Percent	95% C.I.	N	Percent	95% C.I.	N
County Groups						
a) Door, Calumet, Kewaunee, Oconto	14	10-18	293	9	6-12	263
b) Green Lake, Marquette, Waushara	6	2-10	138	10	5-15	149
WESTERN REGION	17	15-19	1,708	13	11-15	1,791
Male	17	14-20	841	13	11-15	846
Female	17	14-20	867	13	11-15	945
14 and under	16	13-19	447	11	8-14	434
15-24	28	22-34	238	22	17-27	259
25-44	20	17-23	510	17	14-20	513
45-64	12	8-16	323	10	7-13	342
65+	3	0-6	190	2	0-4	243
Counties						
Barron	10	4-16	119	21	13-29	103
Chippewa	21	14-28	116	16	10-22	133
Eau Claire	14	9-19	229	11	7-15	188
La Crosse	12	7-17	183	10	7-13	307
Pierce	4	0-8	101	14	7-21	105
Polk	5	1-9	115	*	*	81
St. Croix	10	5-15	119	22	16-28	170
Trempealeau	17	10-24	106	*	*	81
County Groups						
a) Burnett, Clark, Dunn, Rusk, Washburn	31	25-37	252	14	10-18	265
b) Buffalo, Jackson, Monroe, Pepin	20	14-26	175	11	6-16	195

(continued)

Table 13: Lack of Health Care Coverage, Combined Years 1993-1994 and 1997-1998
(continued)

	Percent	1993-1994 95% C.I.	N	Percent	1997-1998 95% C.I.	N
NORTHERN REGION	15	13-17	1,271	14	12-16	1,183
Male	16	13-19	631	12	9-15	592
Female	14	11-17	640	15	12-18	591
14 and under	15	11-19	297	11	7-15	265
15-24	26	20-32	189	26	18-34	145
25-44	19	15-23	362	18	14-22	337
45-64	9	6-12	261	10	6-14	240
65+	3	0-6	162	3	1-5	196
Counties						
Marathon	10	7-13	339	10	7-13	300
Oneida	24	15-33	109	*	*	95
Portage	19	13-25	163	11	6-16	171
Wood	10	6-14	193	14	9-19	177
County Groups						
a) Ashland, Bayfield, Iron, Vilas	22	16-28	182	17	11-23	132
b) Florence, Forest, Langlade, Lincoln, Price, Sawyer, Taylor	13	9-17	285	18	13-23	308

* Estimates and confidence intervals not provided because of insufficient sample size (<100).

Source: Wisconsin Family Health Survey: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Technical Notes

Areas of Analysis: Regions, Counties, County Groups

The annual Wisconsin Behavioral Risk Factor Surveys of 1989-1998 provide most of the data for these tables. To provide the maximum number of small-area estimates, six years of survey data were combined for most variables, and two to five years were combined for all other variables. Combining several years of data was necessary to obtain large enough sample sizes to provide estimates for individual counties. A minimum of 100 respondents within an area was established as a basis for producing estimates. As a result, estimated percentages could not be calculated for many counties.

For every variable, estimates were produced for the state, all five Department of Health and Family Services regions, and various county groups and individual counties depending on sample size. County groups are based on location, demographic similarity, and sample size, and exclude counties for which separate estimates are provided.

There are a few instances (such as Menominee County) where counties were neither estimated separately nor combined with a group (due to dissimilarity with other counties). In these cases, counties will need to consult their regional data. County groups change somewhat from table to table. In cases where a survey question was not asked every year or where members of only one sex were asked a question, county groups were changed to provide larger sample sizes.

Change in regional boundaries. In July, 1996 the former Wisconsin Division of Health (DOH) regions were reorganized into Department of Health and Family Services (DHFS) regions. This change affected three counties: Douglas County became part of the Western DHFS region after being in the Northern DOH region; Jefferson County became part of the Southeastern DHFS Region after being part of the Southern DOH Region; and Vernon County was placed in the Western DHFS Region after being part of the Southern DOH Region. For this report all data was summarized according to the DHFS regional plan. As a result, minor differences exist between the results in the original report published in 1995 (described in the Introduction) and the 1989-1994 results published here.

Data Sources

Behavioral Risk Factor Survey. With the exception of the final table on health care coverage, all of the tables shown here are based on data from the Wisconsin Behavioral Risk Factor Survey (BRFS). The BRFS, which began in 1984, is a representative, statewide telephone survey of Wisconsin household residents 18 years old and older. The Wisconsin BRFS is part of the Behavioral Risk Factor Surveillance System (BRFSS), a cooperative project among the federal Centers for Disease Control and Prevention and state health departments in all 50 states, the District of Columbia, Puerto Rico, Guam and the Virgin Islands. This survey

collects information from randomly selected adults about health-risking behaviors and attitudes, as well as use of preventive health services. Interviews are conducted throughout the year. In Wisconsin, the annual number of BRFs interviews during the years 1989 through 1998 ranged from 1,260 to 2,245.

Designed by the federal Centers for Disease Control and Prevention, the Wisconsin BRFs is coordinated by the Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services. This survey employs a stratified sample design and results are weighted to account for non-response, sample design and number of adults in each household. Additional post-stratification weights on BRFs data adjust for the age-sex distribution of Wisconsin's adult population. The sampling and interviewing were conducted by the Wisconsin Survey Research Laboratory, University of Wisconsin-Extension.

Over the years, the wording of questions in the BRFs used to produce the estimates in this report has remained consistent, with only minor variations.

These tables estimate the percentage of adults who engage in health-risking behaviors and the percentage who utilize particular health screening procedures. Most survey respondents answered all questions. Depending on the variable, the percentage who did not or could not answer particular questions varied from less than 1 percent to 4 percent statewide.

Family Health Survey. The health care coverage table (Table 13) is based on data from the 1993, 1994, 1997 and 1998 Wisconsin Family Health Survey (FHS). The FHS is a statewide telephone survey using a stratified random sample of households in Wisconsin. One person in each household who is most knowledgeable about the health of household members answers the questions on behalf of all household members. Interviews are conducted throughout the year. During 1998, interviews were conducted with 2,463 households comprising 6,560 persons; in 1997, 2,638 households with 7,150 persons were included in the survey; in 1994, interviews were conducted in 2,538 households representing 6,796 persons; and in 1993, 2,570 households representing 6,959 persons were interviewed. The completed interviews were weighted to represent the non-respondents and to correct for the disproportionate sample rates.

Data limitations. The completed samples are considered to be representative of the Wisconsin household population of all ages (FHS) and the Wisconsin household population of adults (BRFS), although they do not include any households without telephones (about 3 percent of all households) and minority populations are somewhat under-represented. Persons living in institutions such as nursing homes, college dormitories and prisons are not represented.